

FIG. 1

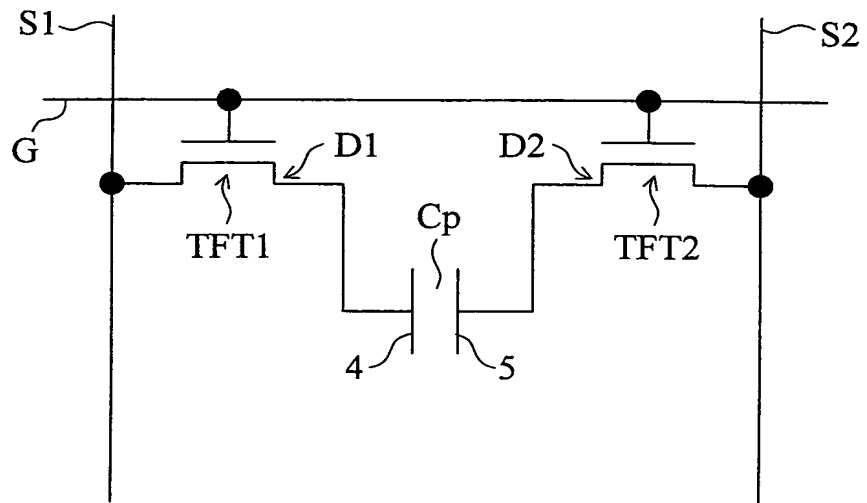


FIG. 2 (a)

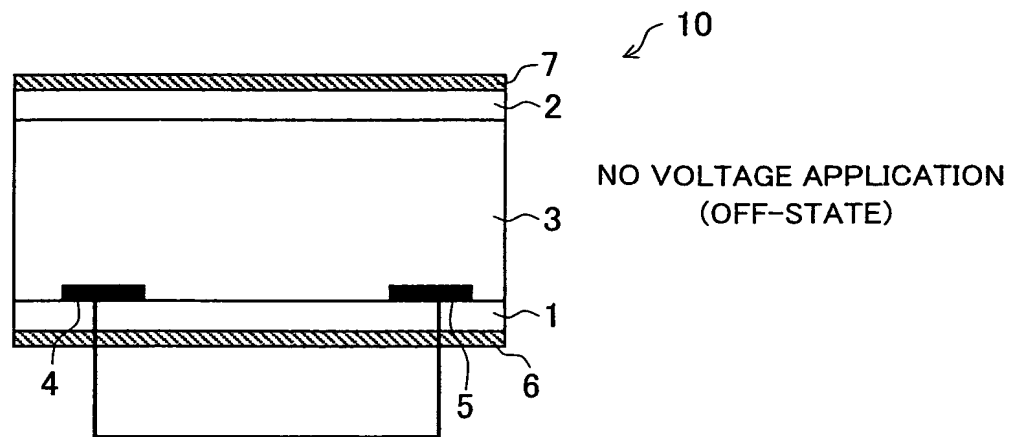


FIG. 2 (b)

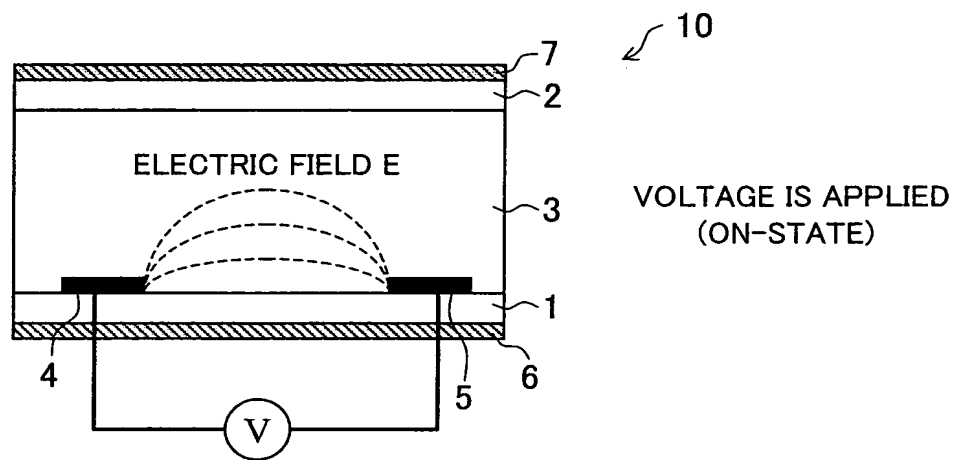


FIG. 3

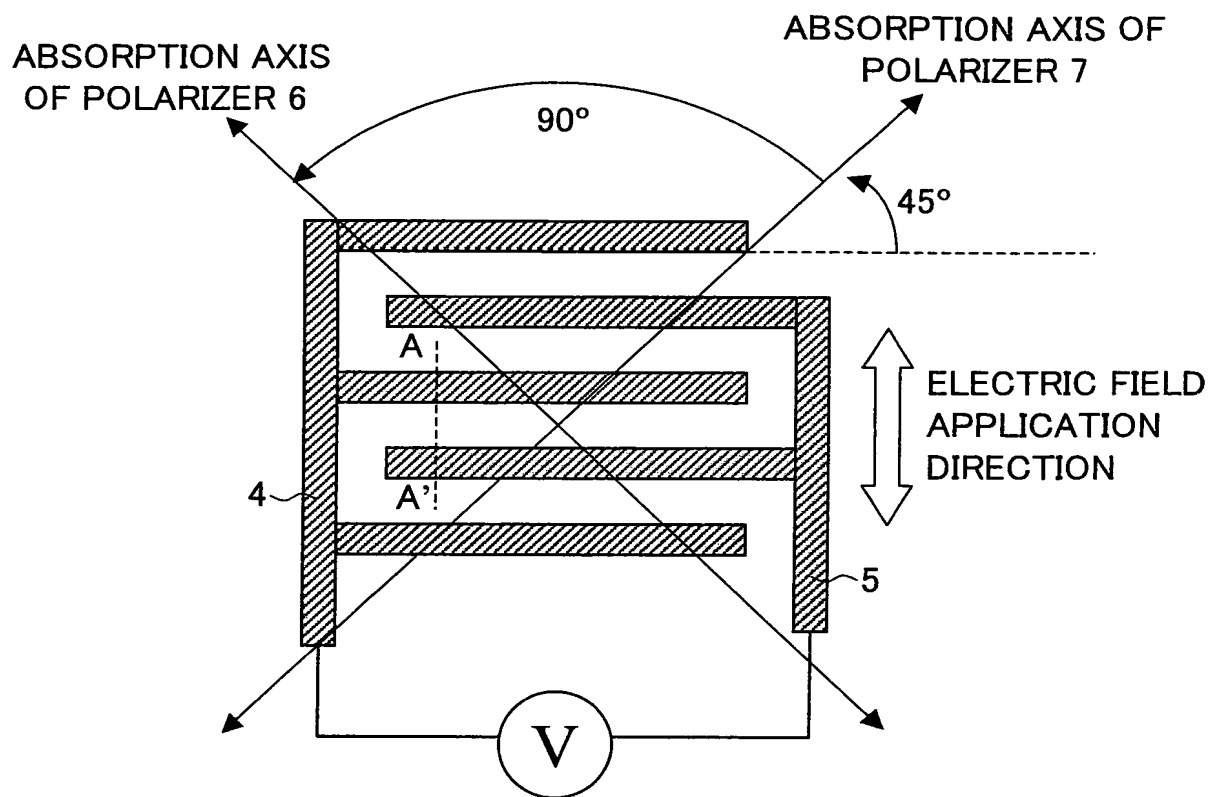


FIG. 4 (a)

NO VOLTAGE APPLICATION

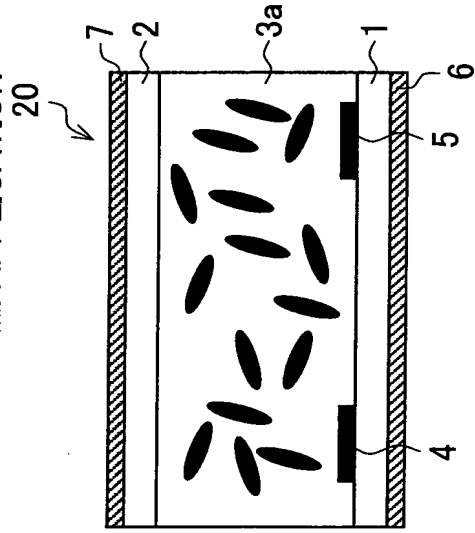


FIG. 4 (b)

VOLTAGE IS APPLIED

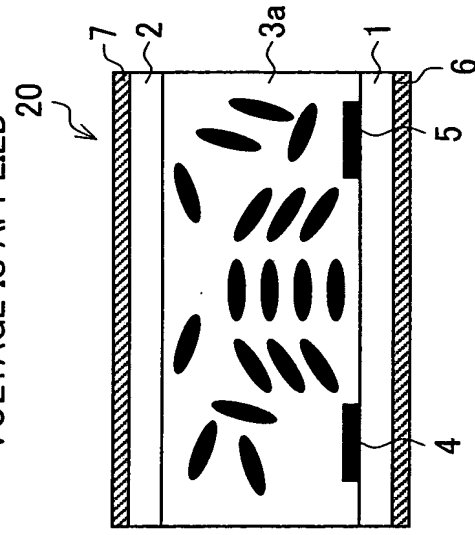


FIG. 4 (c)

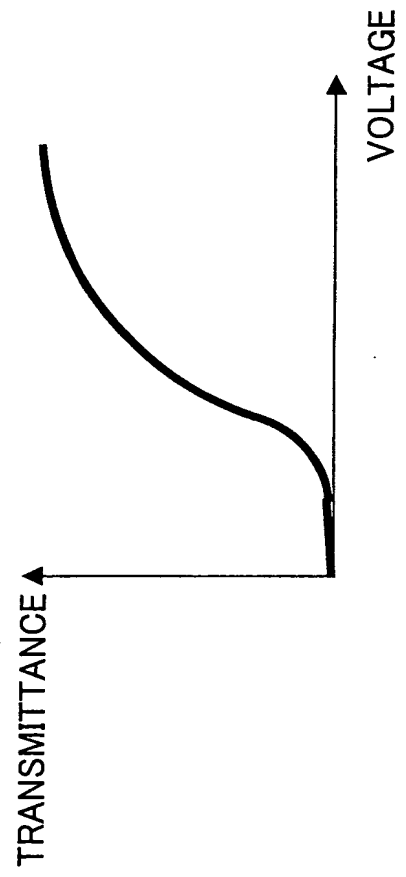
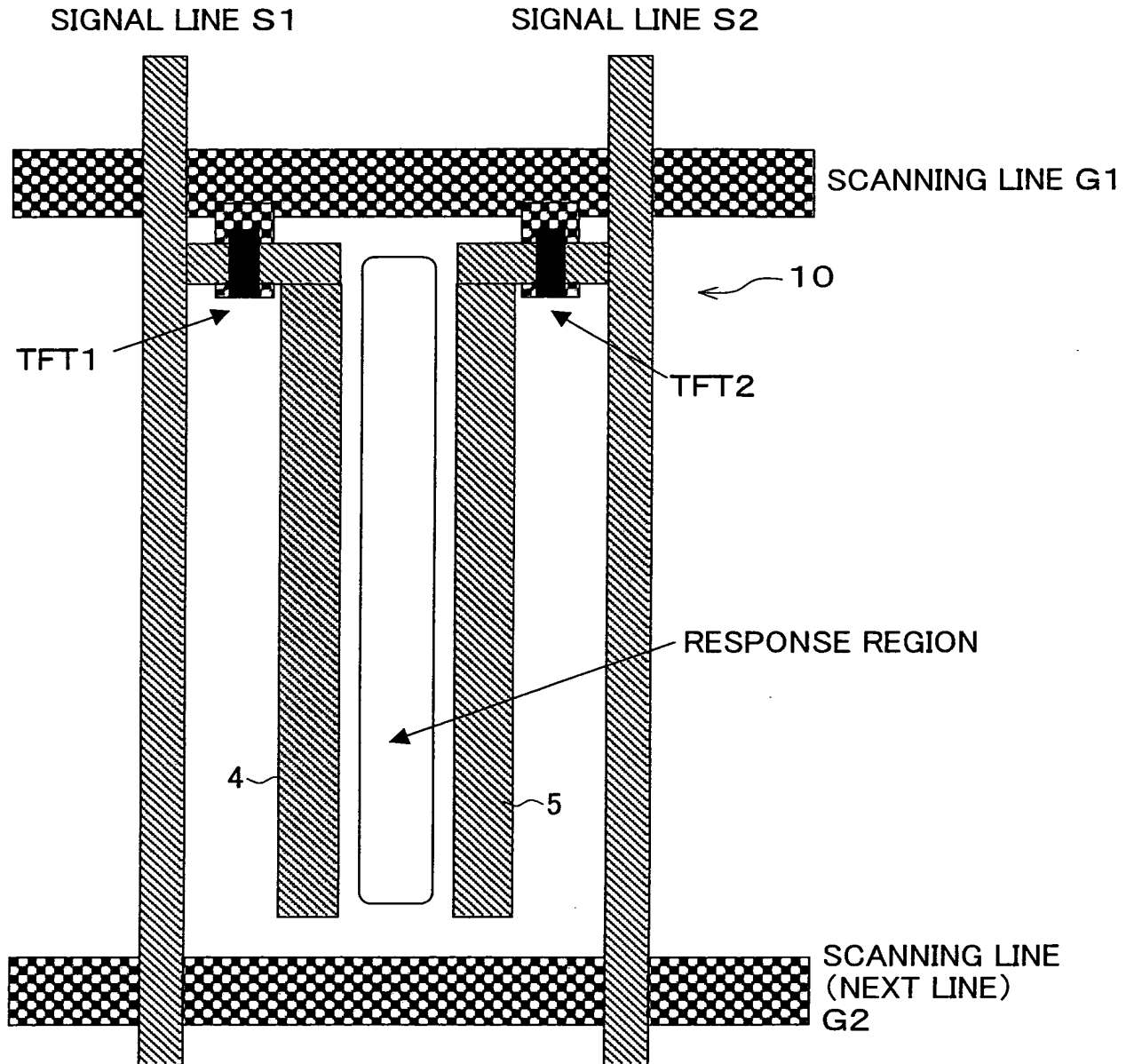
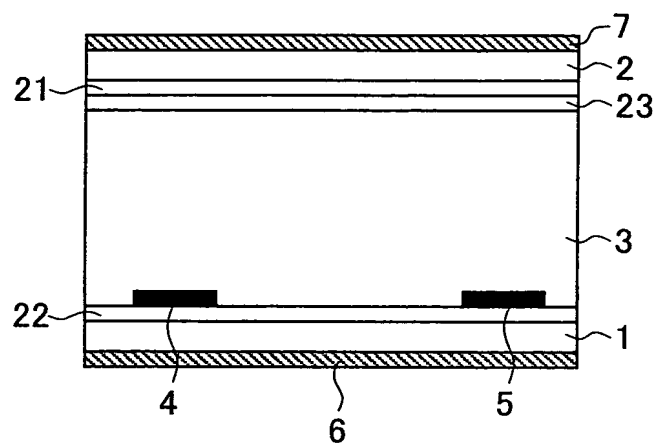


FIG. 5



(SUPPLEMENTAL FIGURE)
DIRECTIONS OF RESPECTIVE
ABSORPTION AXES PROVIDED
ON THE SURFACES OF TWO
SUBSTRATES

FIG. 6



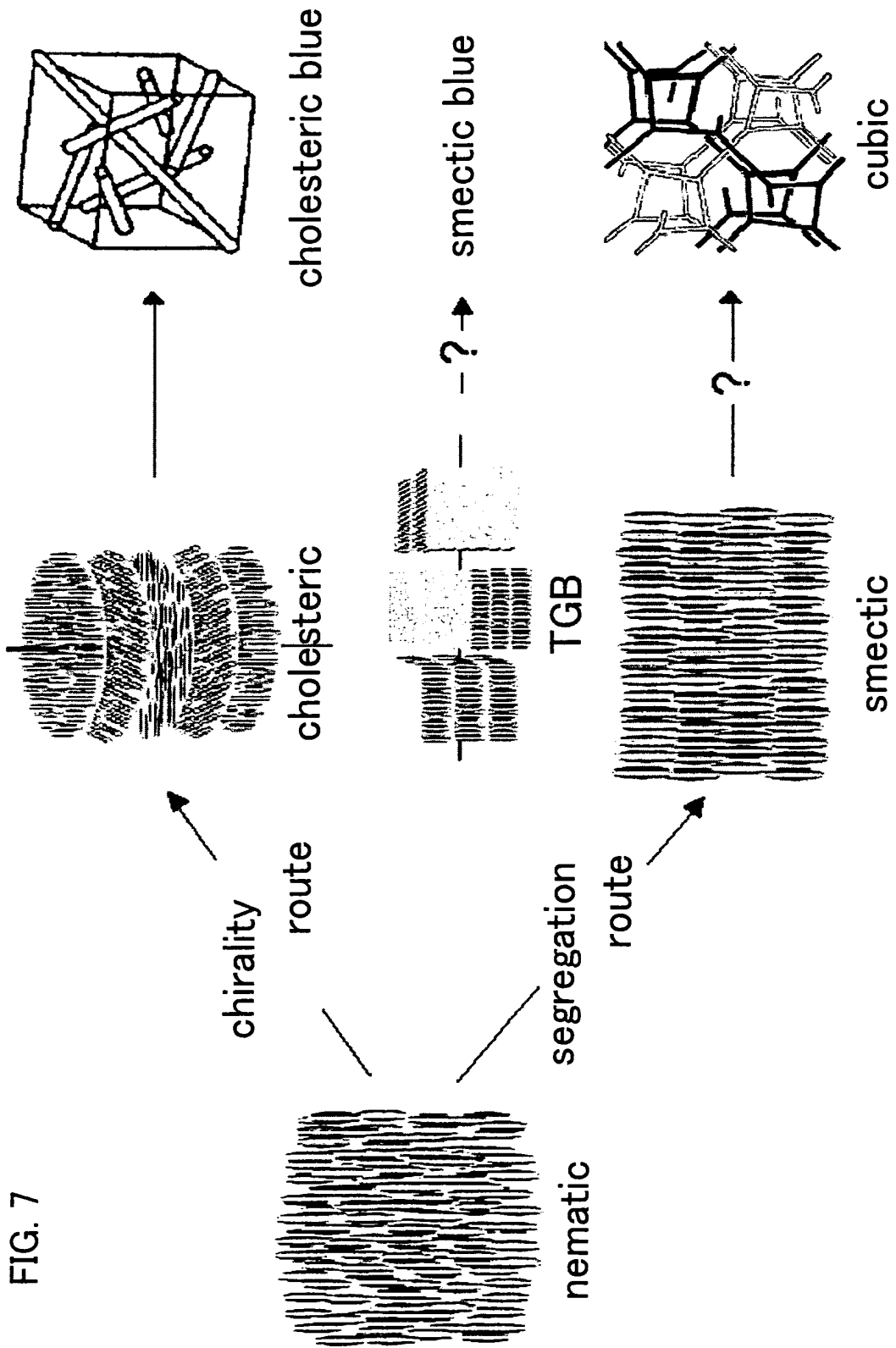


FIG. 7

FIG. 8

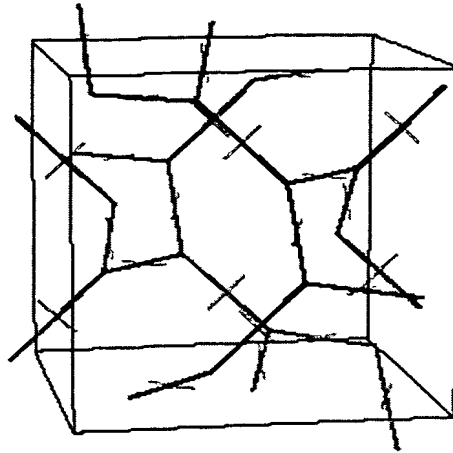


FIG. 9



FIG. 10




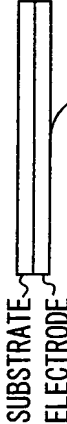
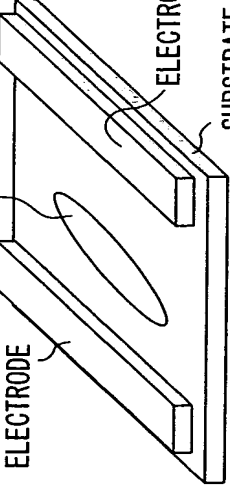
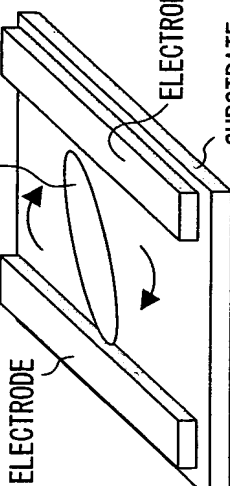
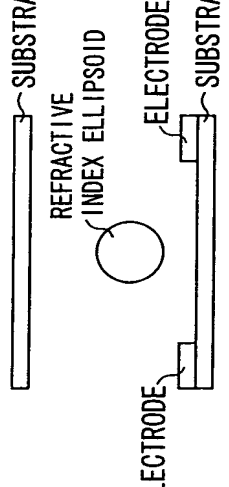
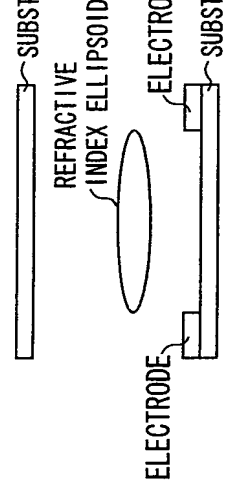
	REFRACTIVE INDEX ELLIPSOID OF MEDIUM WHEN NO VOLTAGE IS APPLIED	TYPICAL REFRACTIVE INDEX ELLIPSOID OF MEDIUM WHEN VOLTAGE IS APPLIED	
TN MODE	 <p>SUBSTRATE ELECTRODE</p> <p>REFRACTIVE INDEX ELLIPSOID</p>	 <p>SUBSTRATE ELECTRODE</p> <p>REFRACTIVE INDEX ELLIPSOID</p>	LIQUID CRYSTAL DISPLAY DEVICE: SHAPE OF OPTICAL INDICATRIX IS NOT CHANGED BUT DIRECTION THEREOF IS ROTATED BY VOLTAGE APPLICATION
VA MODE	 <p>SUBSTRATE ELECTRODE</p> <p>REFRACTIVE INDEX ELLIPSOID</p>	 <p>SUBSTRATE ELECTRODE</p> <p>REFRACTIVE INDEX ELLIPSOID</p>	
IPS MODE	 <p>REFRACTIVE INDEX ELLIPSOID</p> <p>ELECTRODE</p> <p>SUBSTRATE</p>	 <p>REFRACTIVE INDEX ELLIPSOID</p> <p>ELECTRODE</p> <p>SUBSTRATE</p>	MEDIUM IS ISOTROPIC ($n_x = n_y = n_z$) WHEN NO VOLTAGE IS APPLIED, BUT BECOMES ANISOTROPIC ($n_x > n_y$ NEAR LOWER SUBSTRATE, $n_y > n_x$ NEAR UPPER SUBSTRATE) BY VOLTAGE APPLICATION
PRESENT DISPLAY ELEMENT	 <p>REFRACTIVE INDEX ELLIPSOID</p> <p>ELECTRODE</p> <p>SUBSTRATE</p>	 <p>REFRACTIVE INDEX ELLIPSOID</p> <p>ELECTRODE</p> <p>SUBSTRATE</p>	

FIG. 11

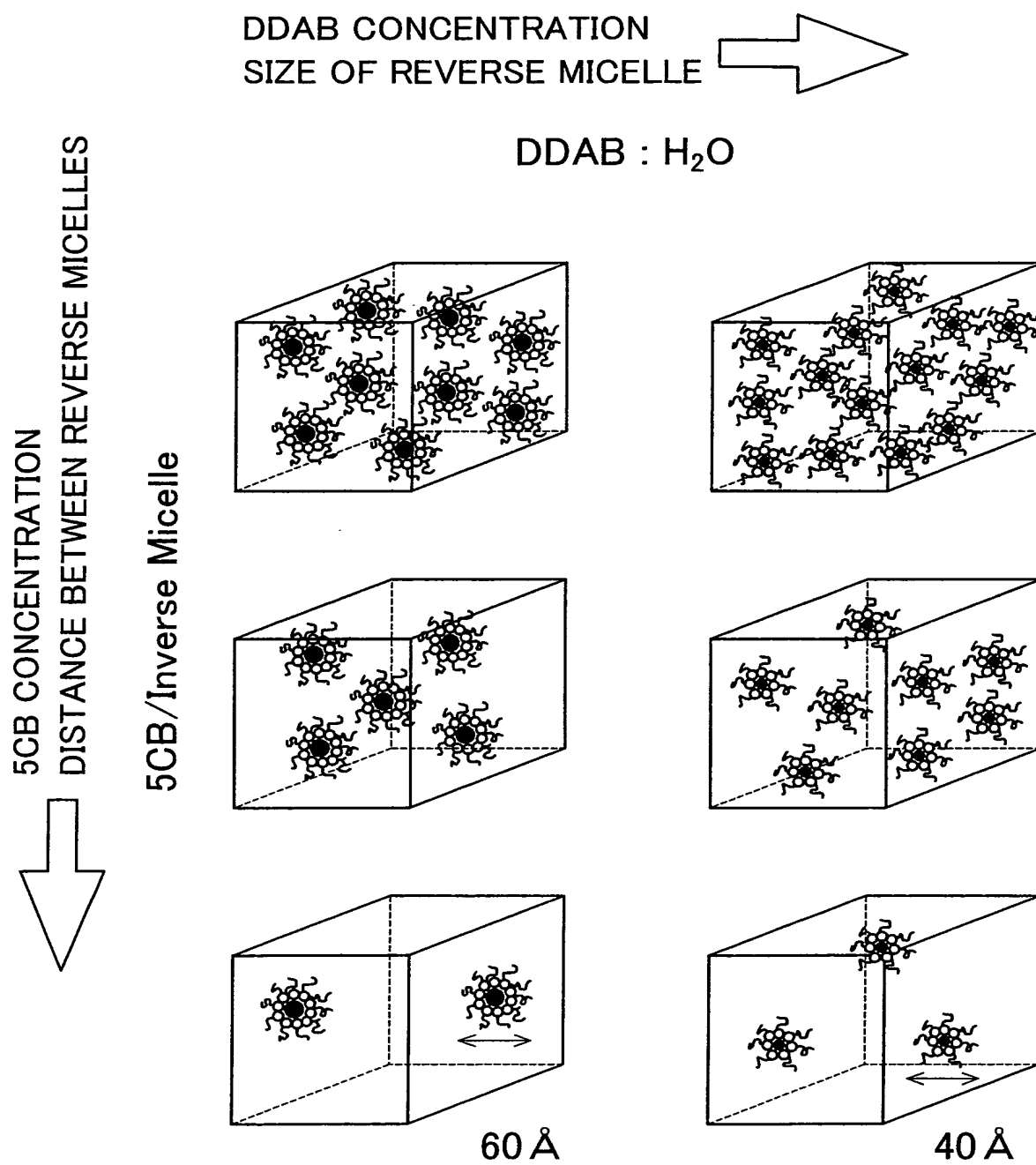


FIG. 12

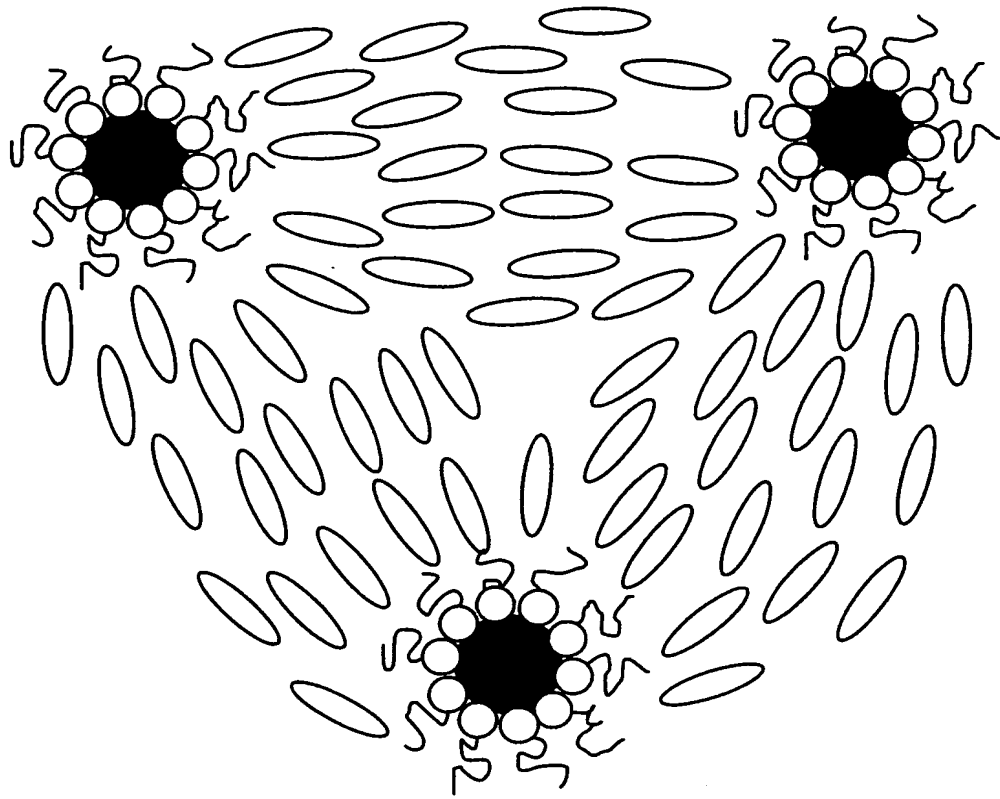


FIG. 13

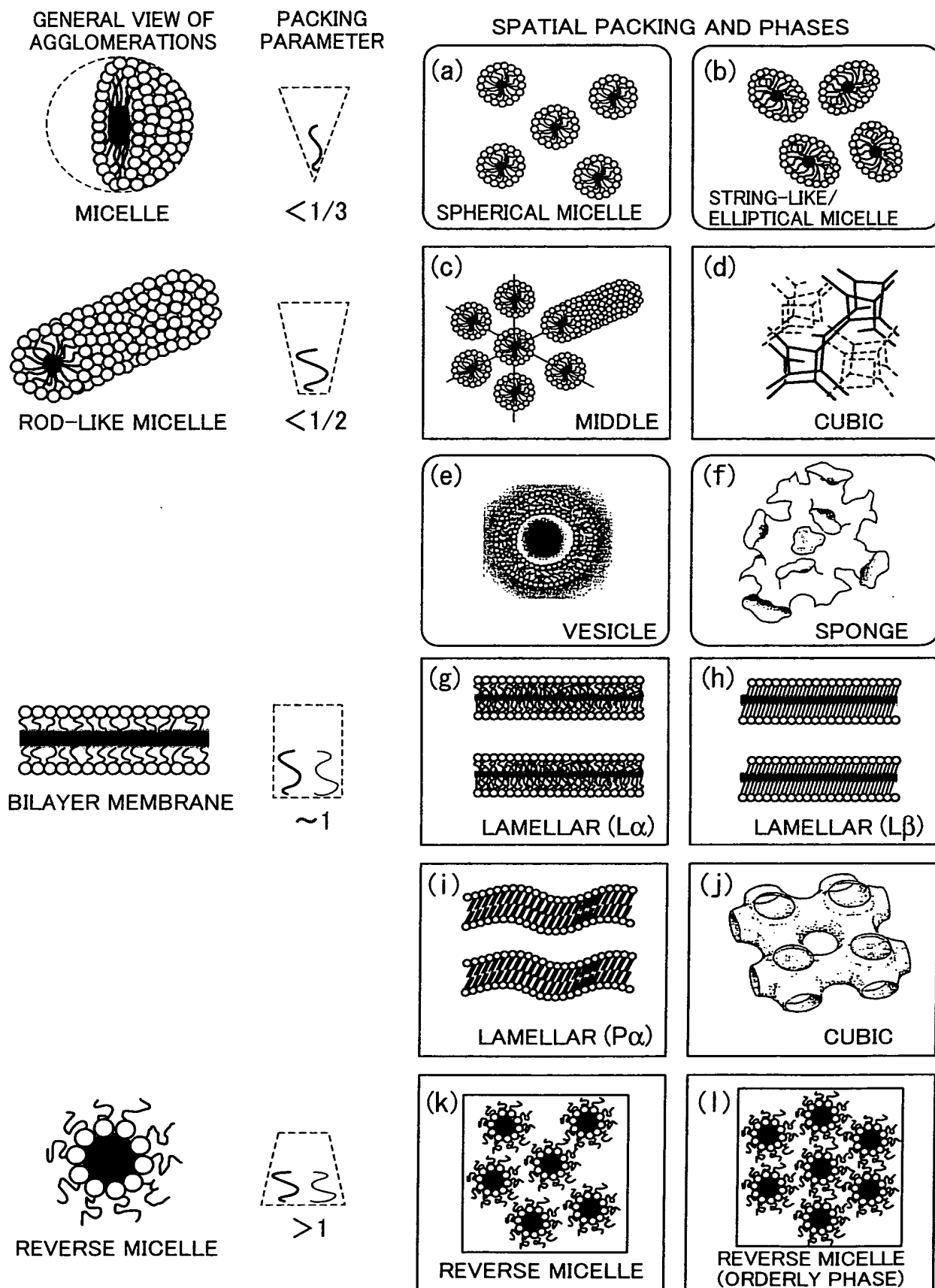


FIG. 14

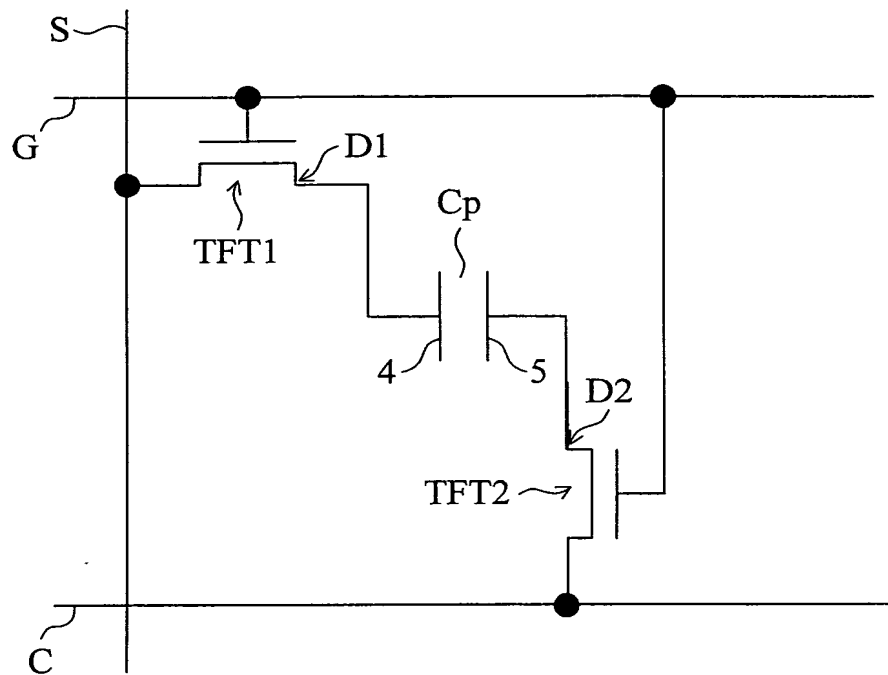


FIG. 15

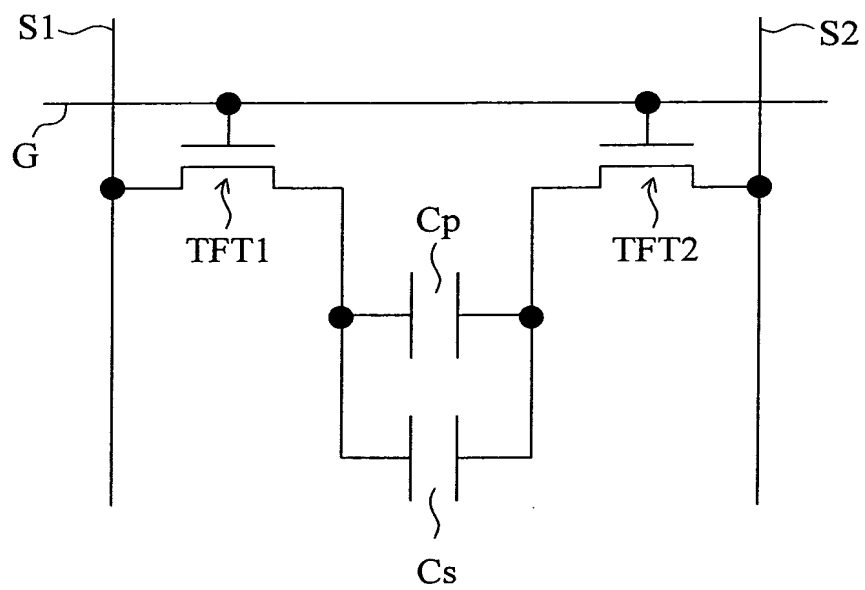


FIG. 16

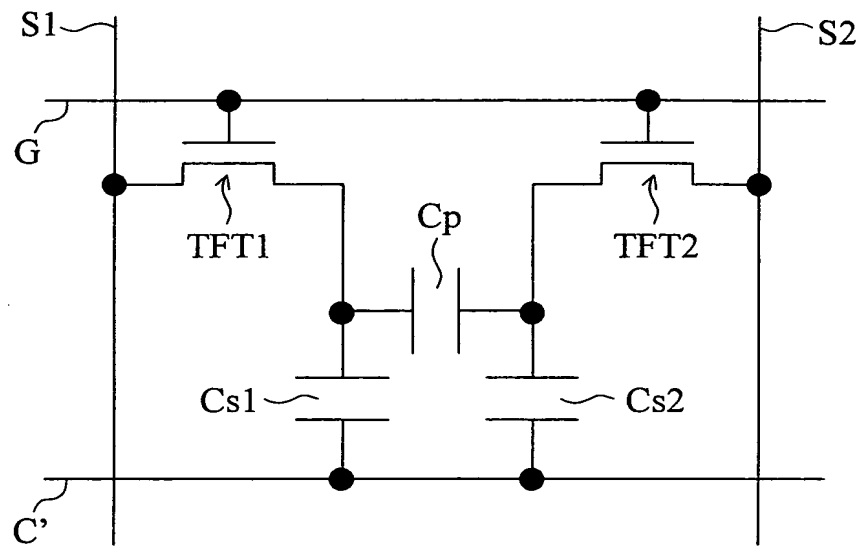


FIG. 17

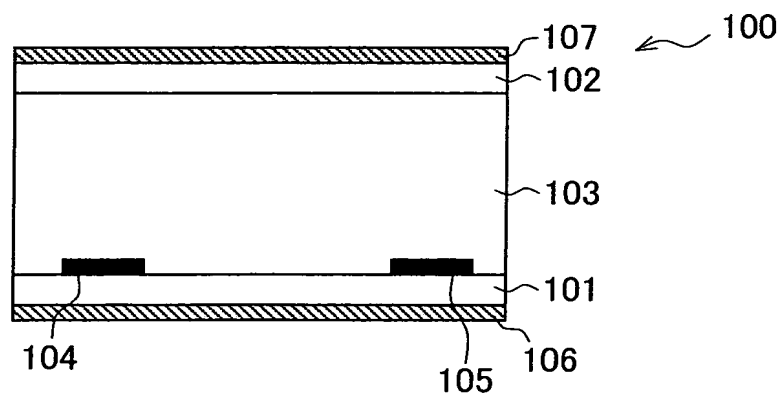


FIG. 18

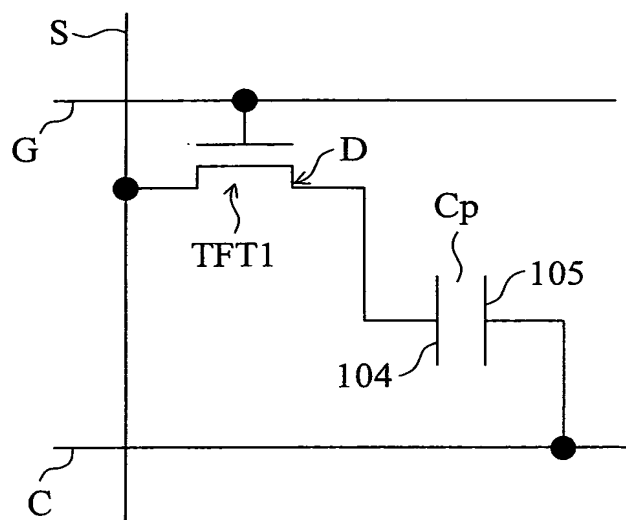


FIG. 19

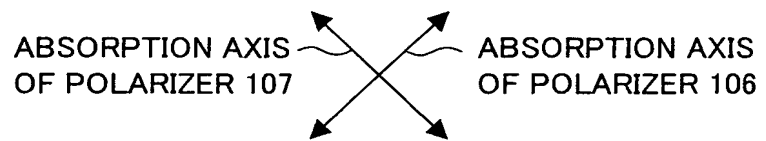
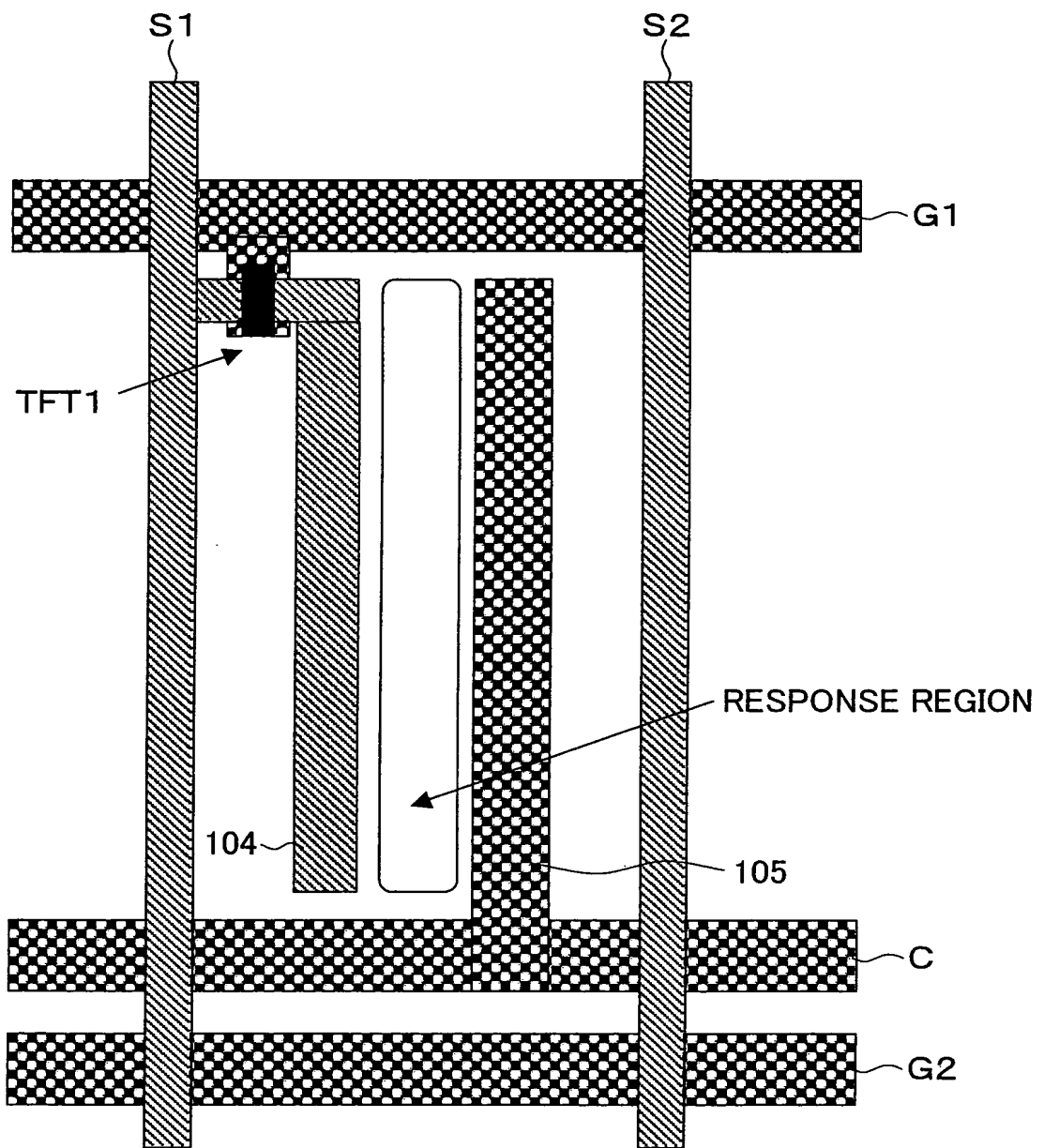


FIG. 20

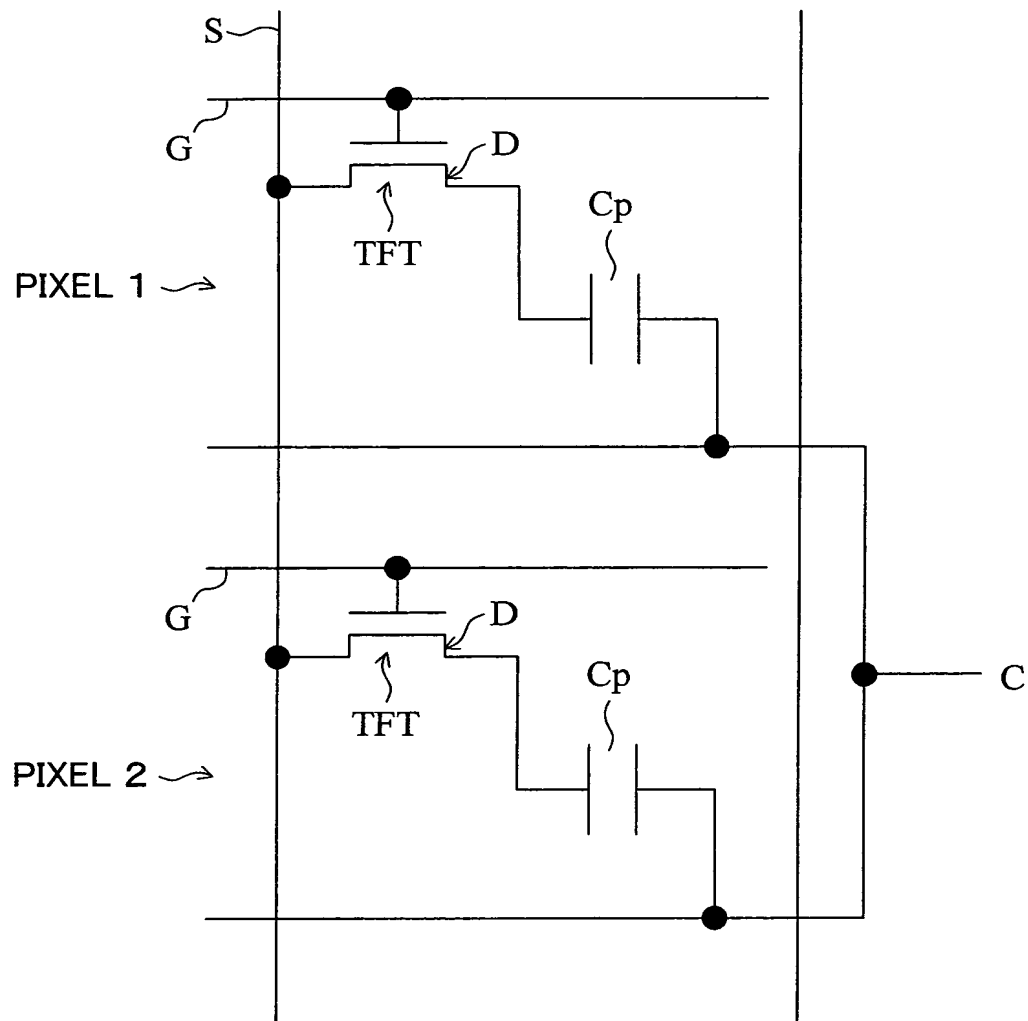


FIG. 21

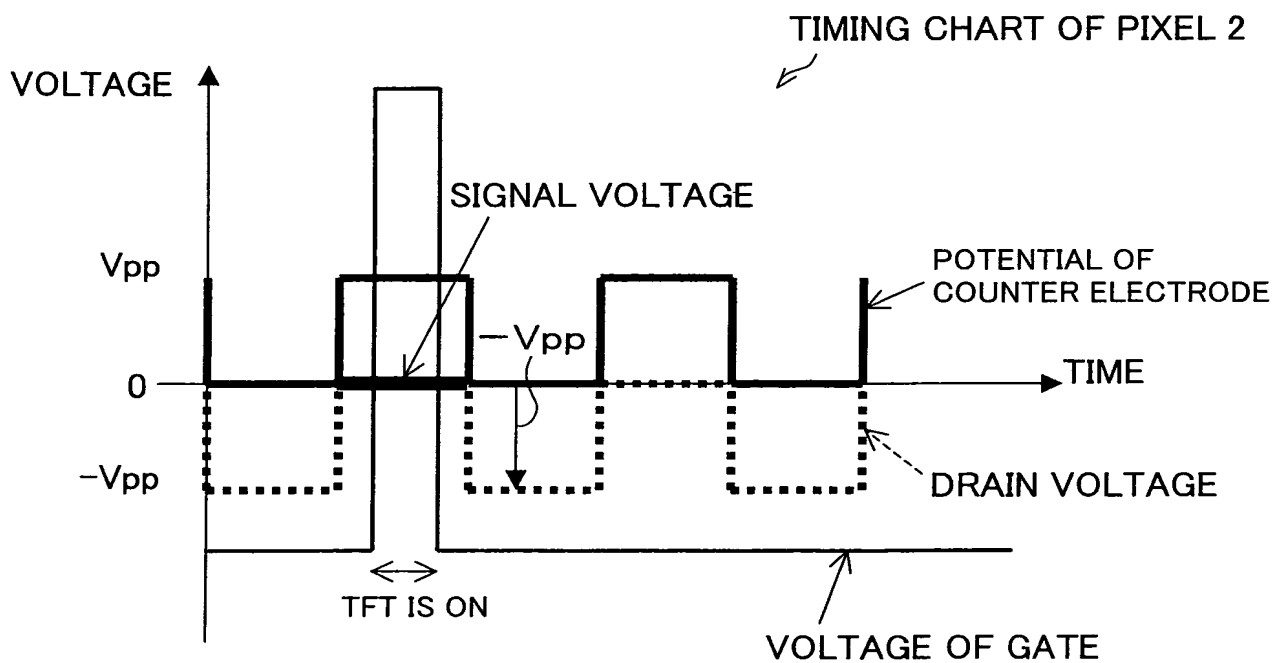
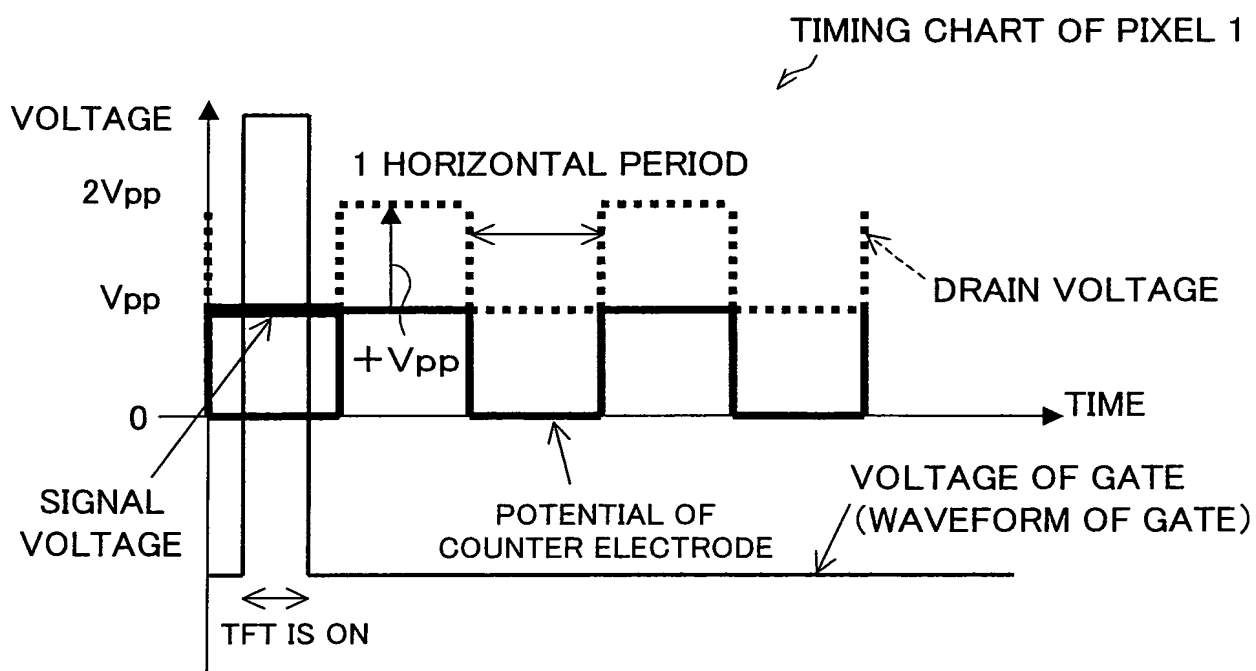


FIG. 22

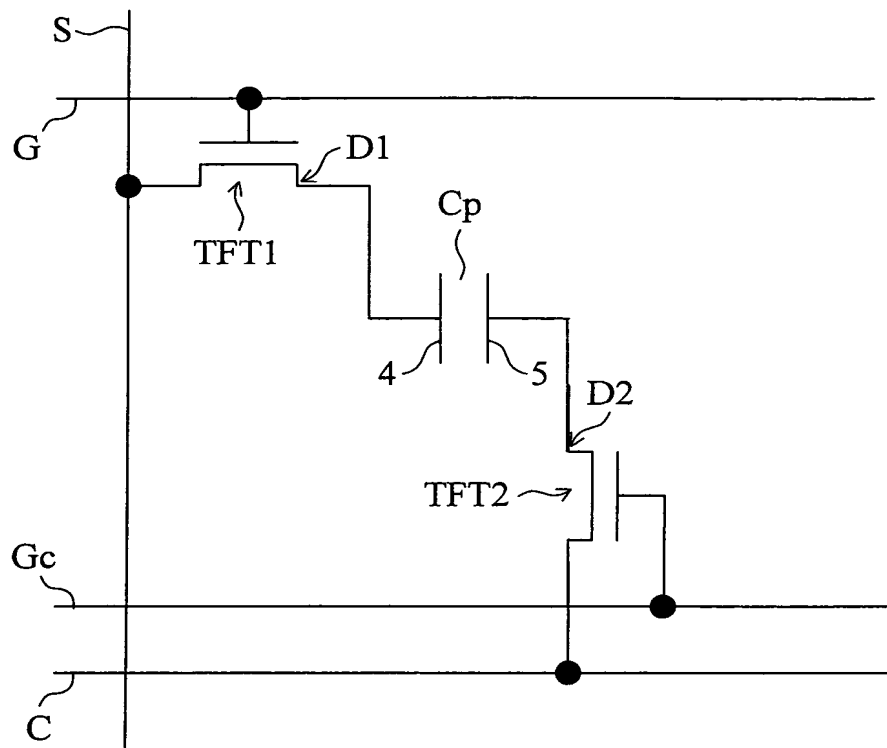


FIG. 23 (a)

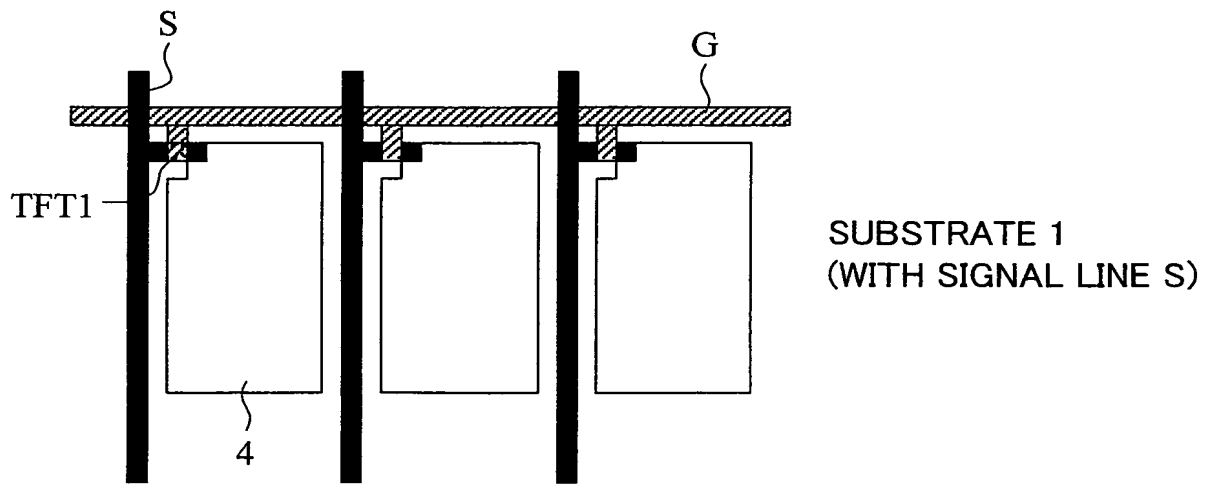


FIG. 23 (b)

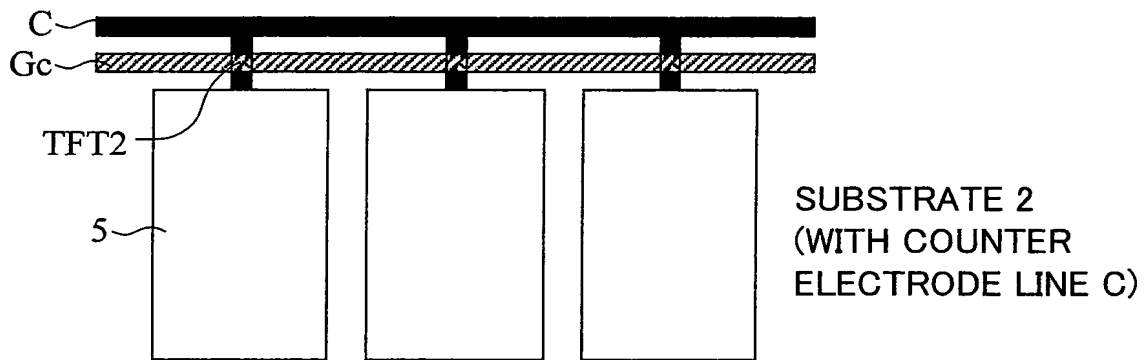


FIG. 23 (c)

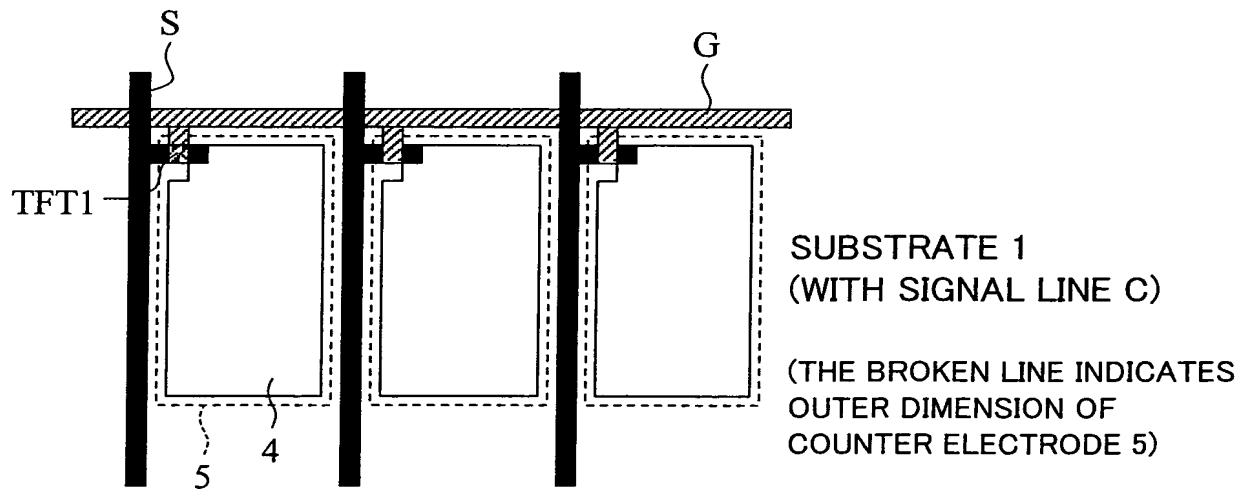


FIG. 24

